

## **REMARKS**

A replacement page of the last page of the specification, page 10/16, replacement pages of the claims (previously pages 10/16 to 16/16), now pages 11/16 to 15/16; and a replacement page of the abstract previously pages (15/16 -16/16), now page 16/16, are enclosed herewith.

Please substitute these replacement pages for the pages as originally filed in response to the notice to comply with the regulation as set forth in the Notice to File Missing Parts dated June 9, 2004, which requires replacement claims on a separate sheet of paper and a replacement abstract commencing on a separate sheet.

In accordance with the notice, in the sheets attached hereto, the replacement claims commence on a separate sheet and the abstract commences on a separate sheet.

A separate set of replacement sheets numbered 10/16 to 16/16 is enclosed herewith for the convenience of the Office in printing the replacement sheets.

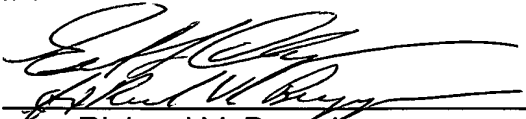
The text of the last page of the specification (replacement page 10/16), the text of the replacement sheets of claims (replacement pages 11/16 to 15/16) and the text of the replacement abstract (replacement sheet 16/16) are identical to the text as originally filed. No new matter has been added.

The examiner is respectfully requested to consider the above Request To Replace Sheets Of Claims And Abstract prior to examination of the application.

If there is any fee due in connection with the filing of this Request To Replace Sheets Of Claims And Abstract, please charge the fee to our Deposit Account No. 06-0916. If a fee is required for an extension of time under 37 C.F.R. § 1.136 not accounted for above, such an extension is requested and the fee should be charged to our deposit account.

Respectfully submitted,  
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producibility is obtained when the fixed element 7 is formed as a coil instead of as a meander. It is also obvious that or when the antenna casing 6 has a projection in place of the depression 1a and the main body casing 11 has a depression in place of the projection 11a.

**WHAT IS CLAIMED IS:**

1. A mobile communication unit, comprising;

a main body having a hollow antenna mount formed on the main body, the antenna mount having a fitting portion formed inside and a fixing member of conducting material supported inside;

an RF functional unit contained in the main body and connected with the fixing member;

a hollow and cylindrical antenna holder including a portion of conducting material with a projection formed outside, the antenna holder being fixed in the hollow antenna mount by the fixing member;

a hollow and cylindrical antenna casing, having the antenna holder arranged inside, the antenna casing having a counter portion of the fitting portion outside;

a rod antenna element held by the antenna holder, the rod antenna element being extensible in the longitudinal direction; and

a fixed antenna element attached to the inner wall of the antenna casing, the fixed antenna element having a resilient feeding end pressed against and in contact with the projection.

2. A mobile communication unit according to claim 1, wherein the fitting portion is a projection and the counter portion is a depression.

3. A mobile communication unit according to claim 1, wherein the fitting portion is a depression and the counter portion is a projection.

4. A mobile communication unit according to claim 1, wherein the relative position between the fitting portion and the feeding end is predetermined.

5. A mobile communication unit according to claim 1, wherein the fixed antenna element is attached to a groove of the inner wall of the antenna casing, and the feeding end protrudes from the inner wall of the antenna casing.

6. A mobile communication unit according to claim 1, wherein the fixed antenna element is formed as a meander or a coil.

7. A mobile communication unit according to claim 1, wherein an end portion of the antenna holder is projected outwardly to hold the antenna casing between the end portion and the antenna mount.

8. A mobile communication unit according to claim 1, wherein the projection is a ring formed around the portion of the antenna holder and is pressed against the feeding end of the fixed antenna element.

9. A mobile communication unit, comprising;

a main body having a hollow antenna mount formed on the main body, the antenna mount having a fitting portion formed inside and a nut made of conducting material supported inside;

an RF functional unit contained in the main body and connected with the nut;

a hollow and cylindrical antenna holder including a portion of conducting material with a ring formed around the portion and an external screw formed around the portion, the antenna holder being fixed in the hollow antenna mount by the nut;

a hollow and cylindrical antenna casing, having the antenna holder arranged inside, the antenna casing having a counter portion of the fitting portion outside;

a rod antenna element held by the antenna holder, the rod antenna element being extensible in the longitudinal direction; and

a fixed antenna element attached to the inner wall of the antenna casing, the fixed antenna element having a resilient feeding end pressed against and in contact with the ring.

10. A mobile communication unit according to claim 9, wherein the relative position between the fitting portion and the feeding end is predetermined.

11. An antenna unit, comprising;

a hollow and cylindrical antenna holder including a portion of conducting material with a projection formed outside;

a fixing member made of conducting material and supported in the antenna mount of a mobile communication unit, the fixing member fixing the antenna holder in the antenna mount, the antenna mount having a fit-

ting portion inside, and the mobile communication unit containing an RF functional unit in connection with the fixing member;

a hollow and cylindrical antenna casing, having the antenna holder arranged inside, the antenna casing having a counter portion of the fitting portion outside;

a rod antenna element held by the antenna holder, the rod antenna element being extensible in the longitudinal direction; and

a fixed antenna element attached to the inner wall of the antenna casing, the fixed antenna element having a resilient feeding end pressed against and in contact with the projection..

12. An antenna unit according to claim 11, wherein the fitting portion is a projection and the counter portion is a depression.

13. An antenna unit according to claim 11, wherein the fitting portion is a depression and the counter portion is a projection.

14. An antenna unit according to claim 11, wherein the relative position between the fitting portion and the feeding end is predetermined.

15. An antenna unit according to claim 11, wherein the fixed antenna element is attached to a groove of the inner wall of the antenna casing, and the feeding end protrudes from the inner wall of the antenna casing.

16. An antenna unit according to claim 11, wherein the fixed antenna element is formed as a meander or a coil.

17. An antenna unit according to claim 11, wherein an end portion of the antenna holder is projected outwardly to hold the antenna casing between the end portion and the antenna mount.

18. An antenna unit according to claim 11, wherein the projection is a ring formed around the portion of the antenna holder and is pressed against the feeding end of the fixed antenna element.

19. An antenna unit according to claim 11, wherein the projection is a ring formed around the portion and the fixing member is a nut, the portion further including an external screw formed around, and the antenna holder being fixed in the antenna mount by the nut.

20. An antenna unit according to claim 11, wherein the projection is a ring formed around the portion and the fixing member is a nut, the portion further including an external screw formed around, and the antenna holder being fixed in the antenna mount by the nut and, and the relative position between the fitting portion and the feeding end is predetermined. .



## ABSTRACT OF THE DISCLOSURE

A mobile communication unit has an antenna unit including an extendible rod element and a fixed element. While the rod element is held by an antenna holder which is fixed in the mobile communication unit main body with a fixing member made of conducting material, the fixed element is attached to the inner wall of a hollow and cylindrical antenna casing. The antenna holder is inserted in the antenna casing. The feeding end of the fixed element is in contact with a projection formed outside the lower metallic portion of the antenna holder. The fixed element is fed from an RF functional block in the main body through the fixing member connected with the RF functional unit, the antenna holder and the projection. The rotational position of the feeding end around the rod element extending direction is determined and by the projection and the depression portions formed on the antenna casing and the antenna mount. The configuration shows good reproducibility of the radiation pattern of the fixed element in spite of the non-uniformity around the rod element extending direction.